

中国云南毛茛科毛茛属一新种——哀牢山毛茛

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Ranunculus ailaoshanicus W. T. Wang, a new species of
Ranunculaceae from Yunnan, China

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Abstract *Ranunculus ailaoshanicus* W. T. Wang, a new species of the Ranunculaceae from Yunnan, China, is described and illustrated. This species in habit shows striking resemblance to *Ranunculus dongrergensis* Hand.-Mazz., and differs from the latter in its lower leafless scapes, smaller flowers, and smaller, oblong-elliptic petals with obscure nerves. In *R. dongrergensis*, the stems are 5–15 cm tall and bear cauline leaves, the flowers are larger, 1–1.8 cm in diam., and the petals are larger, obovate in outline, 4–9 mm long, 2.2–7 mm broad, and nervose.

Key words *Ranunculus*, *Ranunculus ailaoshanicus*, Ranunculaceae, new species, Yunnan, China.

摘要 描述了中国云南毛茛科Ranunculaceae一新种——哀牢山毛茛*Ranunculus ailaoshanicus* W. T. Wang。此种在体态上与圆裂毛茛*R. dongrergensis* Hand.-Mazz.极为相似, 但以茎较低矮, 无叶, 花较小, 花瓣较小, 长圆状椭圆形, 脉不明显而相区别。

关键词 毛茛属; 哀牢山毛茛; 毛茛科; 新种; 云南; 中国

作者于2006年10月在中国科学院植物研究所标本馆鉴定一批毛茛科Ranunculaceae标本过程中发现采自云南哀牢山的一号毛茛属*Ranunculus* L.植物标本, 其体态与圆裂毛茛*R. dongrergensis* Hand.-Mazz.极为相似, 但在茎、花等方面与圆裂毛茛有明显区别, 经查阅有关文献(Handel-Mazzetti, 1939; 刘亮, 1980; 王文采, 1995; Wang & Gilbert, 2001)后, 确定此植物乃一新种, 现在本文发表。

哀牢山毛茛(美丽毛茛组) 图1

Ranunculus ailaoshanicus W. T. Wang (sect. *Ranunculus*), sp. nov. Fig. 1

Habitu species nova haec est simillima *R. dongrergensi* Hand.-Mazz., qui caulibus 5–15 cm altis foliatis, foliis omnibus basalibus, floribus majoribus 1–1.8 cm in diam., petalis majoribus obovatis 4–9 mm longis 2.2–7 mm latis nervosis facile differt.

Herba perennis parva, radice fibrosa. Scapi singuli vel bini, 1–5 cm alti, superne vel prope apicem adpresse puberuli. Folia simplicia, 8–20 omnia basalia, longe petiolata; laminae herbaceae, reniformes vel late ovatae, 0.6–1.7 cm longae, 0.8–2 cm latae, apice rotundatae vel obtusae, basi cordatae, subcordatae vel subtruncatae, margine integrae, vulgo 5-lobulatae, lobulis apice rotundatae vel obtusae, utrinque glabrae, nervis basalibus (3–)5 inconspicuis;

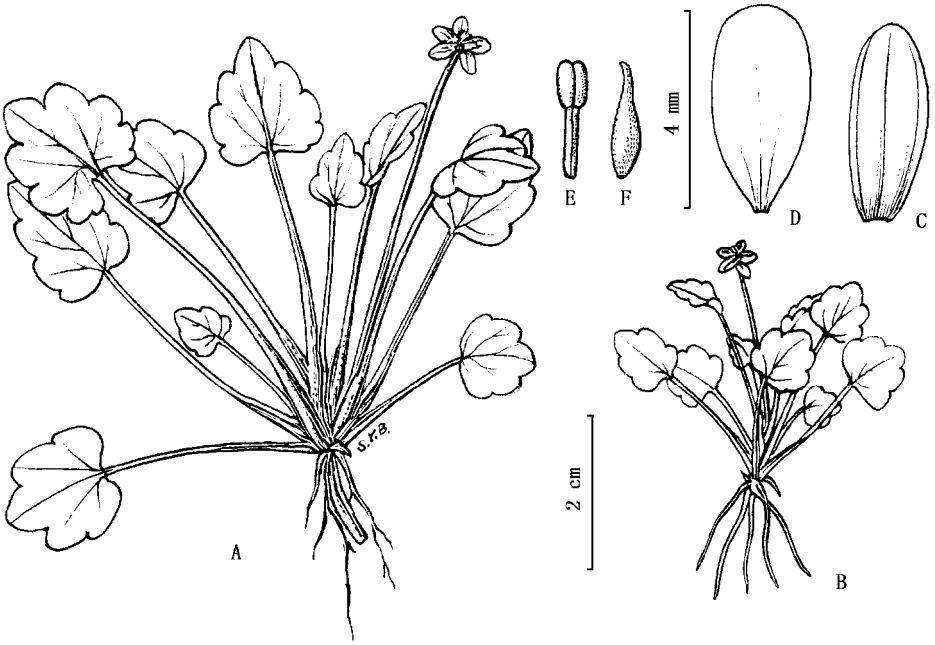


图1 哀牢山毛茛 A, B, 二植株全形; C, 萼片; D, 花瓣; E, 雄蕊; F, 心皮。(孙英宝根据杨国平386号标本绘)
Fig. 1. *Ranunculus ailaoshanicus* W. T. Wang. A, B, habit; C, sepal; D, petal; E, stamen; F, carpel. Drawn by Y. B. Sun from G. P. Yang 386.

petioli 0.8–4.4 cm longi, basi levissime dilatati, interdum angustissime vaginati, glabri, raro ad marginem vaginae sparse longe ciliati. Flos ad apicem scapi solitarius, 7–9 mm in diam.; receptaculum glabrum; sepala 5, persistentia (?), oblonga, circ. 3.5 mm longa, 1.8 mm lata, apice truncato-rotundata, glabra, trinervia; petala 5, caduca, lutea, oblongo-obovata, circ. 3.8 mm longa, 2.5 mm lata, apice rotundata, glabra, nervis obscuris, foveolis nectariferis minutis; stamina circ. 10, 1.8–3.2 mm longa, glabra, filamentis linearibus 0.6–1.6 mm longis, antheris late oblongis vel oblongo-ovatis 0.8–1 mm longis; carpella circ. 12, 1.5 mm longa, glabra, stylis subulatis circ. 0.7 mm longis post anthesin leviter elongatis et apice paulo hamatis.

多年生小草本，具须根。花葶单条或成对，高1–5 cm，上部或近顶端被贴伏短柔毛。叶为单叶，8–20枚全部基生，具长柄；叶片草质，肾形或宽卵形，长0.6–1.7 cm，宽0.8–2 cm，顶端圆形或钝，基部心形，近心形或近截形，边缘全缘，常五浅裂，小浅裂片顶端圆形或钝，两面无毛，基出脉(3–)5条，不明显；叶柄长0.8–4.4 cm，基部稍扩展，有时具极狭鞘，无毛或在鞘边缘疏被长缘毛。花单生花葶顶端，直径7–9 mm；花托无毛；萼片5，宿存(?)，长圆形，长约3.5 mm，宽1.8 mm，顶端截状圆形，无毛，有3条脉；花瓣5，早落，黄色，长圆状倒卵形，长约3.8 mm，宽2.5 mm，顶端圆形，无毛，脉不明显，蜜槽小；雄蕊约10，长1.8–3.2 mm，无毛，花丝条形，长0.6–1.6 mm，花药宽长圆形或长圆状卵形，长0.8–1 mm；心皮约12，长1.5 mm，无毛，花柱钻形，长约0.7 mm，花期之后稍伸长，顶端钩状。

China. Yunnan (云南): Jingdong (景东), Ailao Shan (哀牢山), Xujiaba (徐家坝), alt.

2400 m, flowers yellow, 2004-03-21, G. P. Yang (杨国平) 386 (holotype, PE; isotype, PE).

此种在体态上与圆裂毛茛 *R. dongrergensis* Hand.-Mazz. 极为相似, 但以茎无叶, 较低矮, 叶全部基生, 花较小, 直径7–9 mm, 花瓣较小, 长圆状椭圆形, 长约3.8 mm, 宽2.5 mm, 脉不明显而与后者相区别; 在圆裂毛茛, 茎较高, 高5–15 cm, 有茎生叶, 花较大, 直径1–1.8 cm, 花瓣较大, 倒卵形, 长4–9 mm, 宽2.1–7 mm, 有多条脉。此哀牢山特有种的发现使我国毛茛属的种数增至126种, 使我国该属美丽毛茛组 *sect. Ranunculus* 的种数增至82种(见上引文献)。

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